

CLAIMS

1. An aircraft instrument panel comprising on the one
hand at least one main display system (50, 60) for
5 horizon and necessary piloting parameters, and on
the other hand an item of automatic pilot control
equipment (80), which comprises manual piloting
set point control buttons (103, 105, 107, 109) and
finally an item of standby display equipment (80')
10 allowing the display, independently of the main
display system, of integrated standby data
including a standby horizon, characterized in that
the automatic pilot control equipment and the
standby display equipment are two identical items
15 of equipment from the hardware point of view and
the software point of view and each comprises a
display screen capable of displaying the
integrated standby data, and in that the two items
of equipment have at least two operating modes,
20 one of the modes being an integrated standby data
display mode and the other being a mode of
displaying the automatic pilot set points given by
the pilot, the items of equipment each operating
in a different mode in normal operating
25 conditions.
2. The instrument panel as claimed in claim 1,
characterized in that the set point control
buttons are active on the equipment that is in
30 piloting set point display mode and inactive as
control buttons for set point adjustment on the
equipment that is in standby data display mode.
3. The instrument panel as claimed in either one of
35 claims 1 and 2, characterized in that the control
buttons of the item of equipment that is in
piloting set point display mode allow the
establishment of set point adjustment signals that
are also transmitted to the other item of
40 equipment, which also processes these signals

without however displaying the set points.

4. The instrument panel as claimed in one of claims 1 to 3, characterized in that each of the two items of equipment comprises a switchover control button (81, 81') which is used to invert the operating modes of the two items of equipment.
5. The instrument panel as claimed in one of claims 1 to 5, characterized in that means are provided, in the event of the failure of one of the two items of equipment, for switching the other item of equipment to automatic pilot set point display mode if it is not already in that mode.
6. The instrument panel as claimed in one of claims 1 to 5, characterized in that the items of equipment comprise a control button (110, 110') distinct from the piloting set point adjustment buttons, for resetting the atmospheric pressure for the purpose of an altitude computation, this button being active for the resetting of pressure only when the equipment is in standby data display mode.
7. An integrated item of standby equipment intended to be mounted on an instrument panel as claimed in one of the preceding claims, characterized in that it comprises both the hardware and software capable of displaying on a single display screen either standby data, including a standby horizon, when the equipment is operating in a standby data display mode, or automatic pilot set points when the equipment is operating in a piloting set point display mode, the equipment being provided with piloting set point adjustment buttons.
8. The equipment as claimed in claim 7, characterized in that it comprises an atmospheric pressure reset

button (110), active when the equipment is in standby data display mode.

- 5 9. The equipment as claimed in claim 8, characterized in that the equipment has a mode switchover button (81), active for inverting the equipment operating mode and capable of sending a mode inversion signal to another identical item of equipment of the same instrument panel.